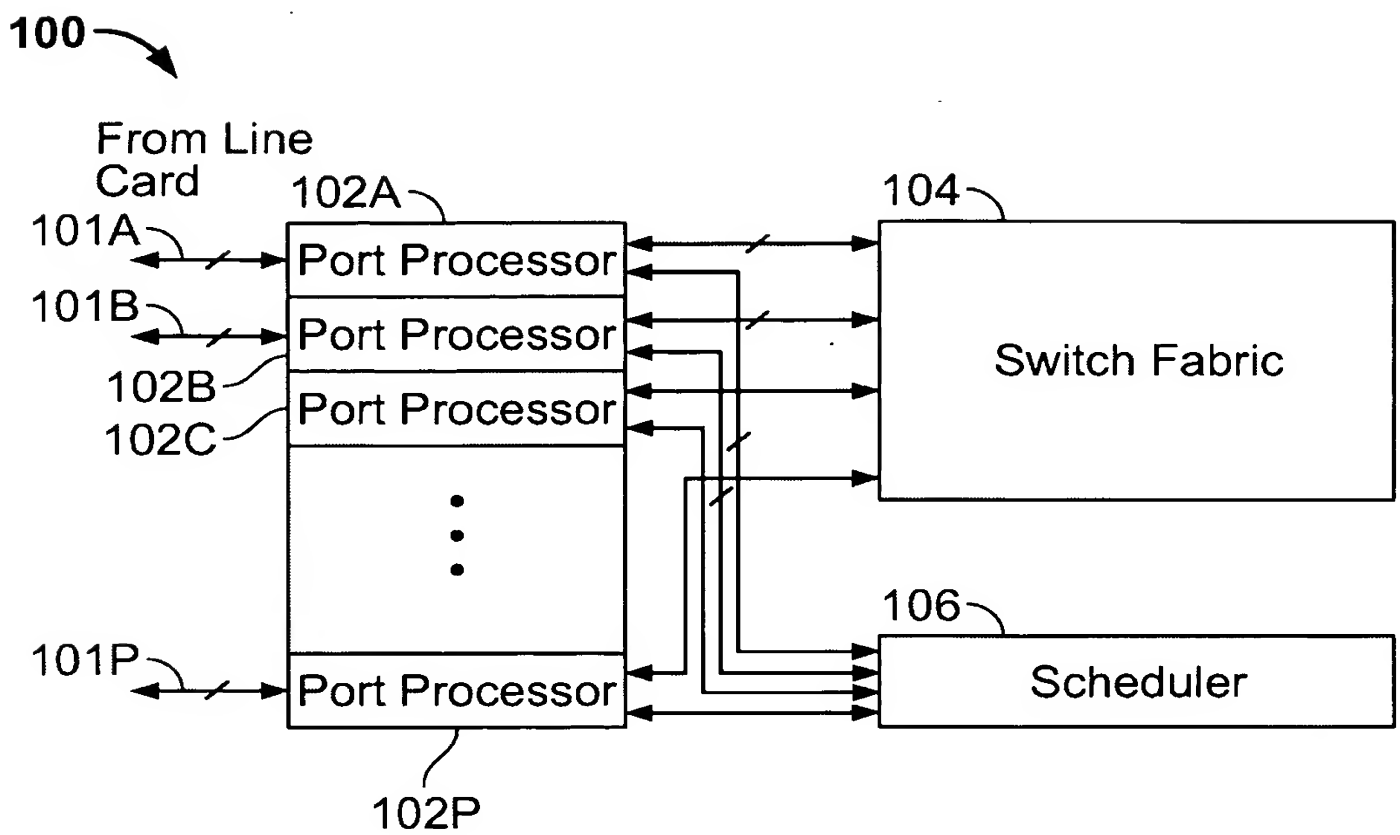

FIG. 1

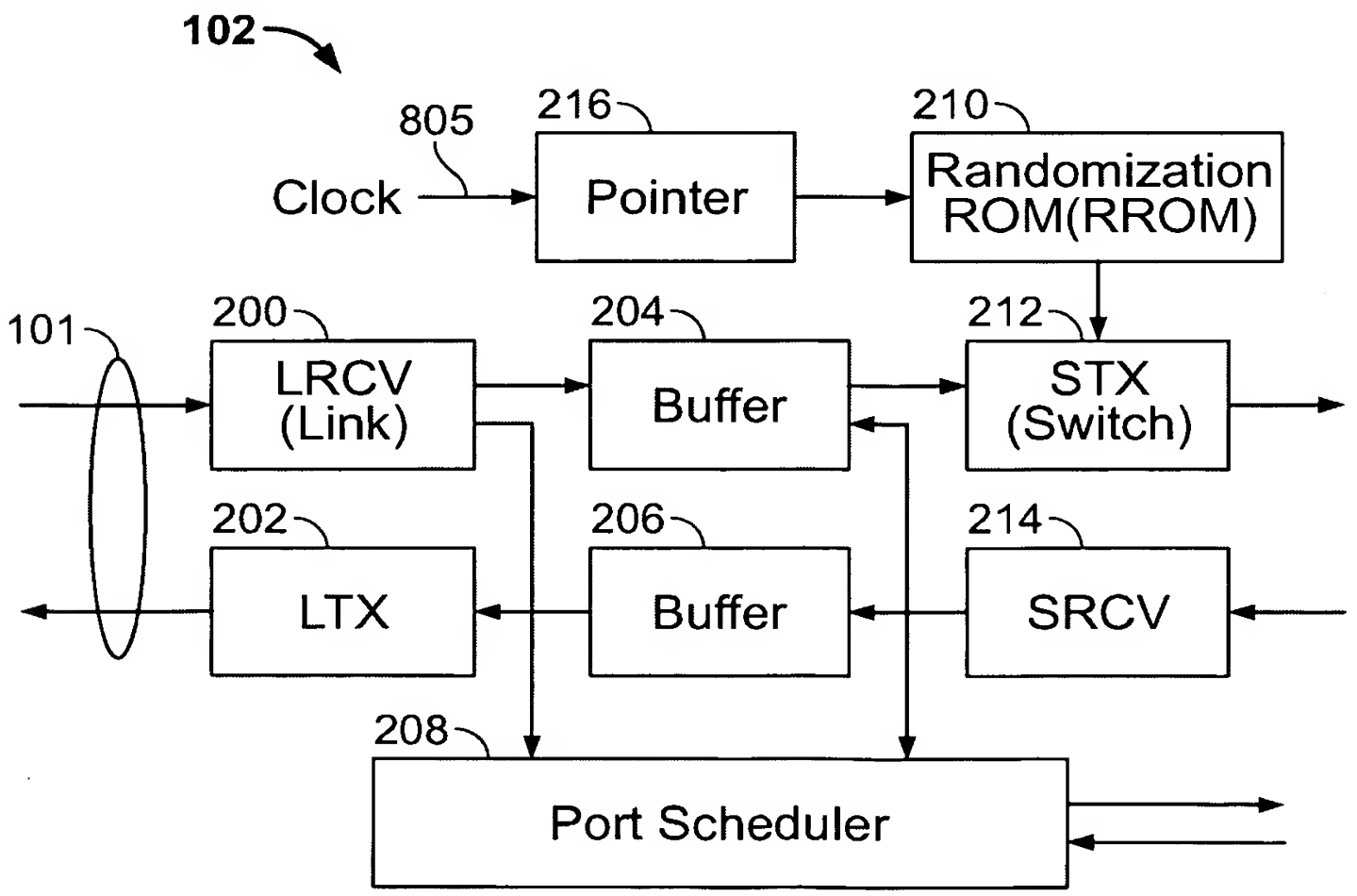

FIG. 2

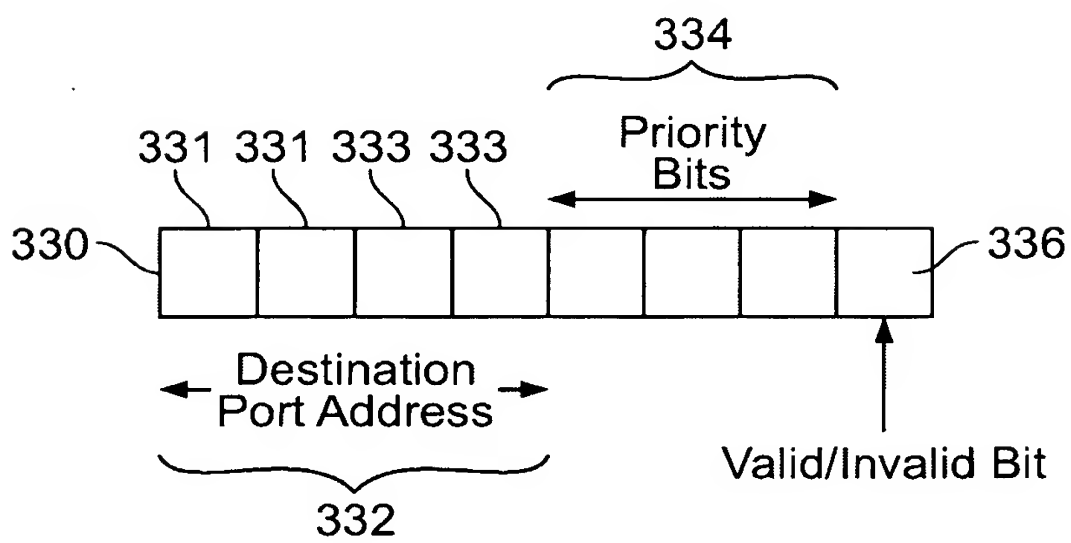

FIG. 3A

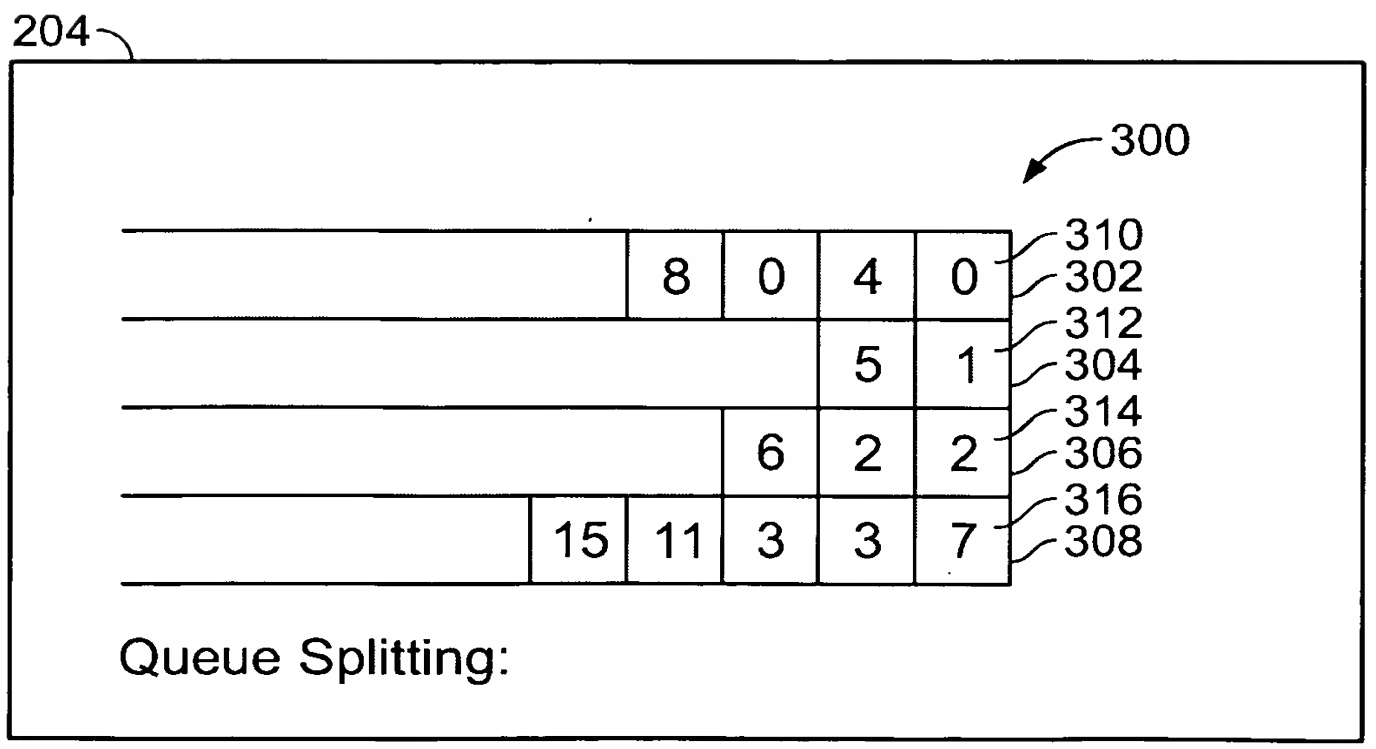

FIG. 3B

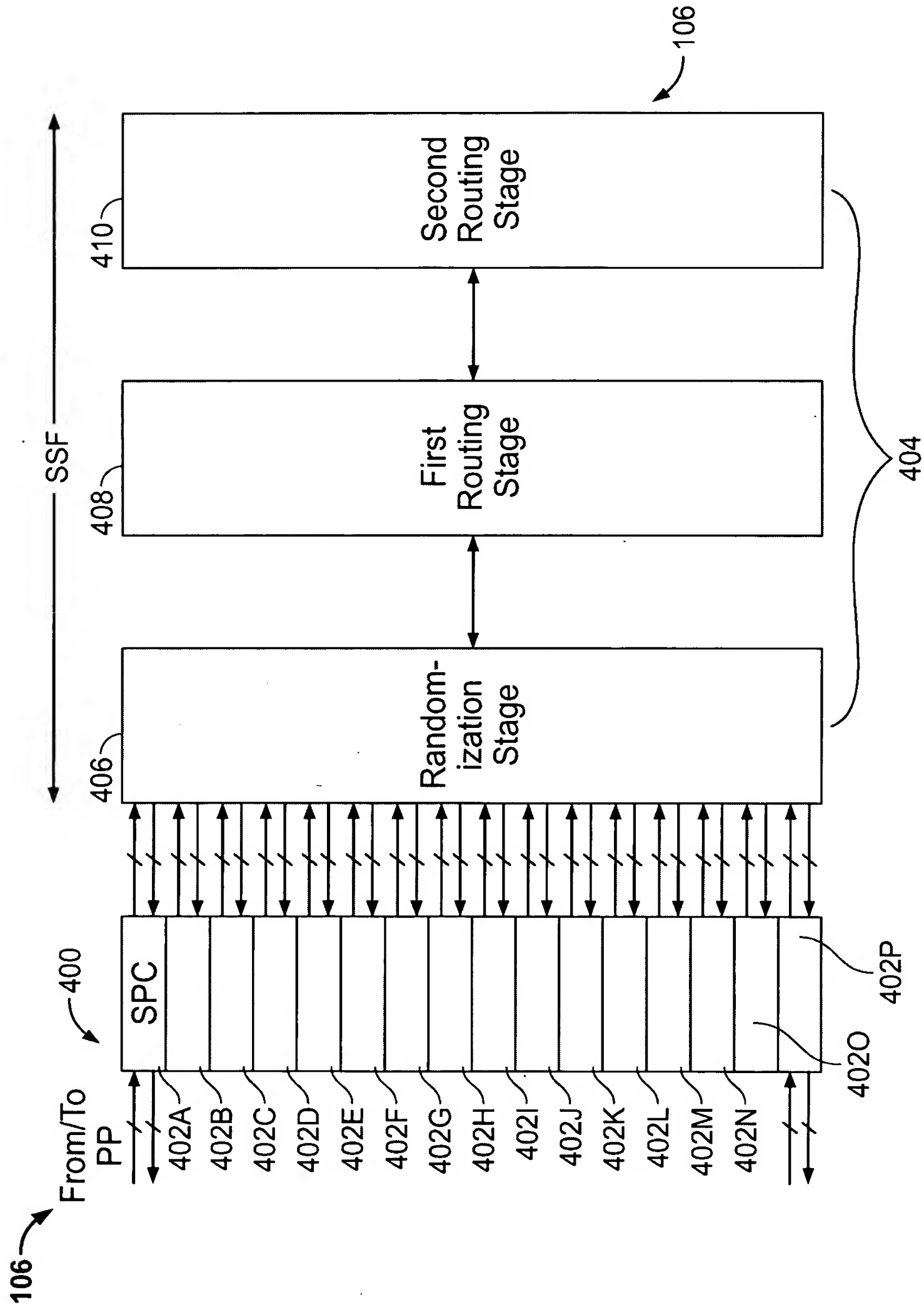

FIG. 4

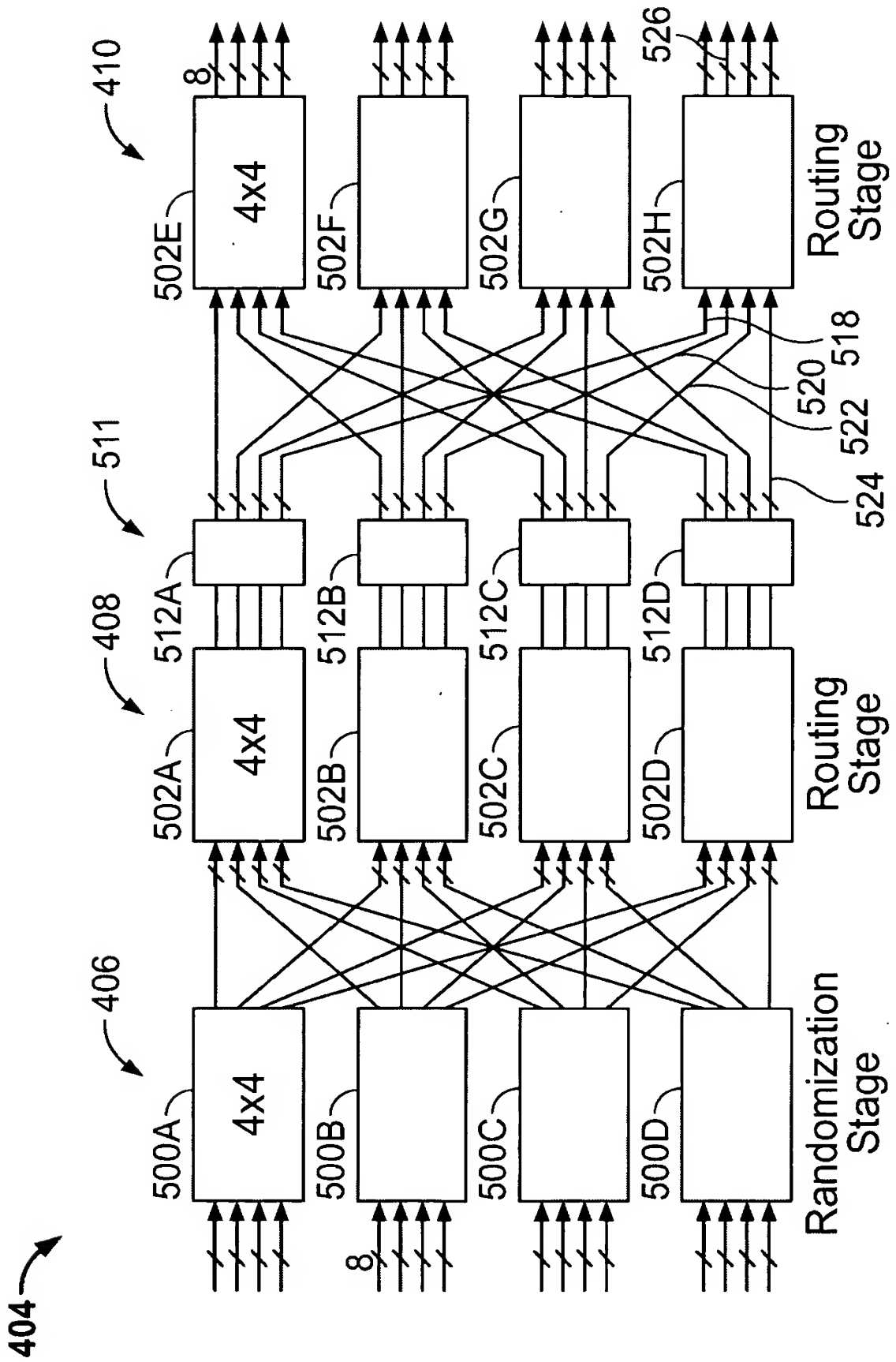

FIG. 5

5/20

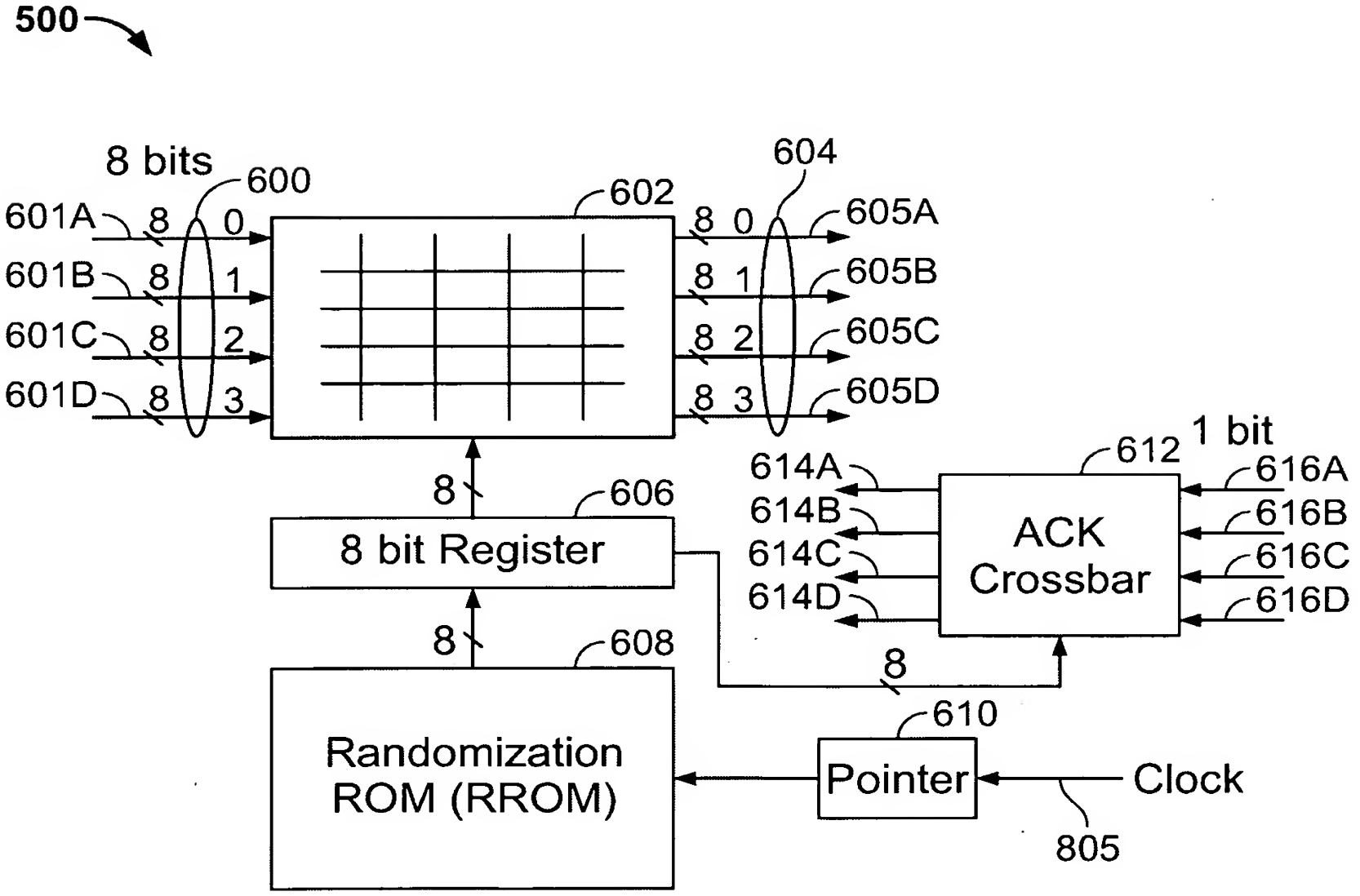

FIG. 6

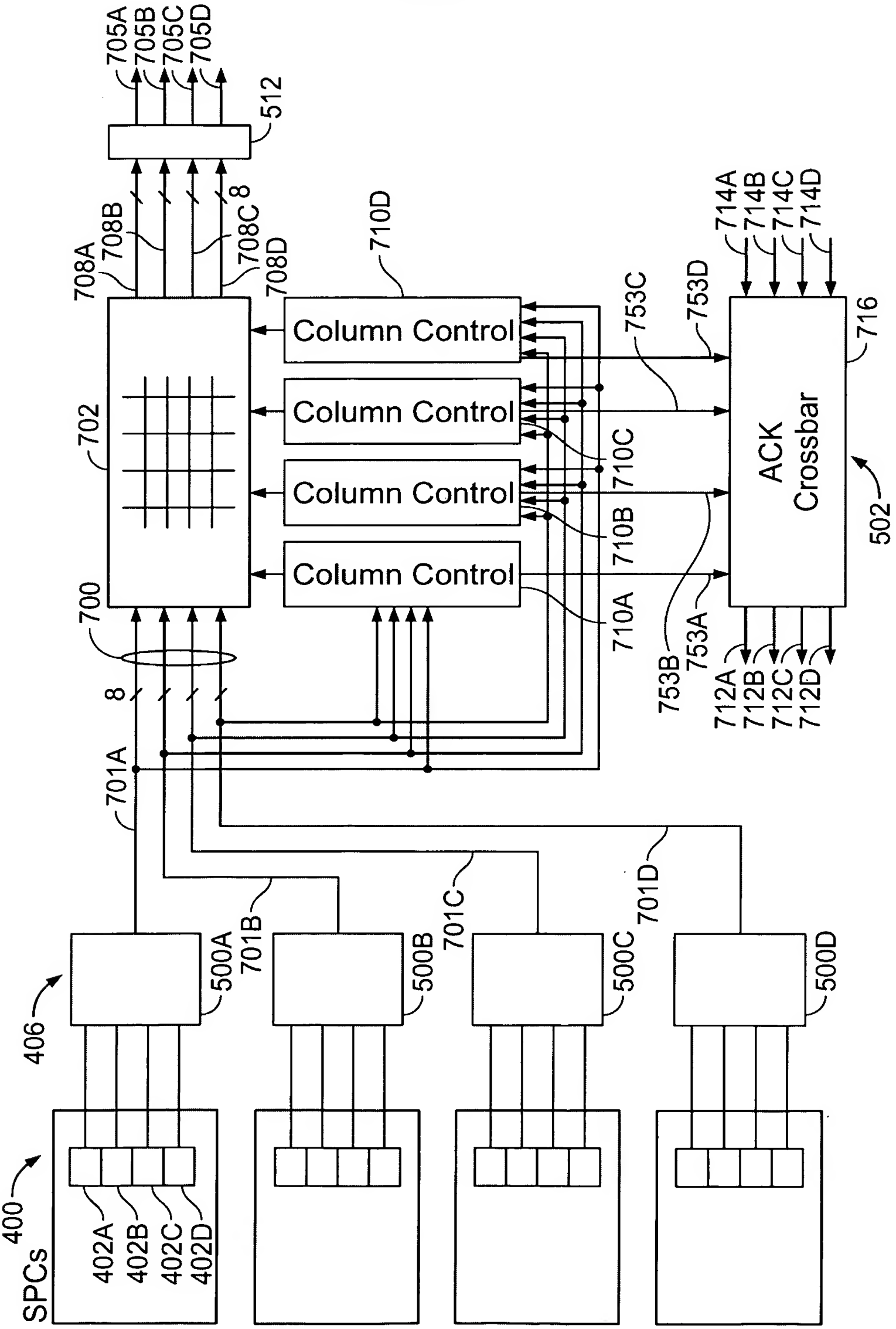

FIG. 7A

7/20

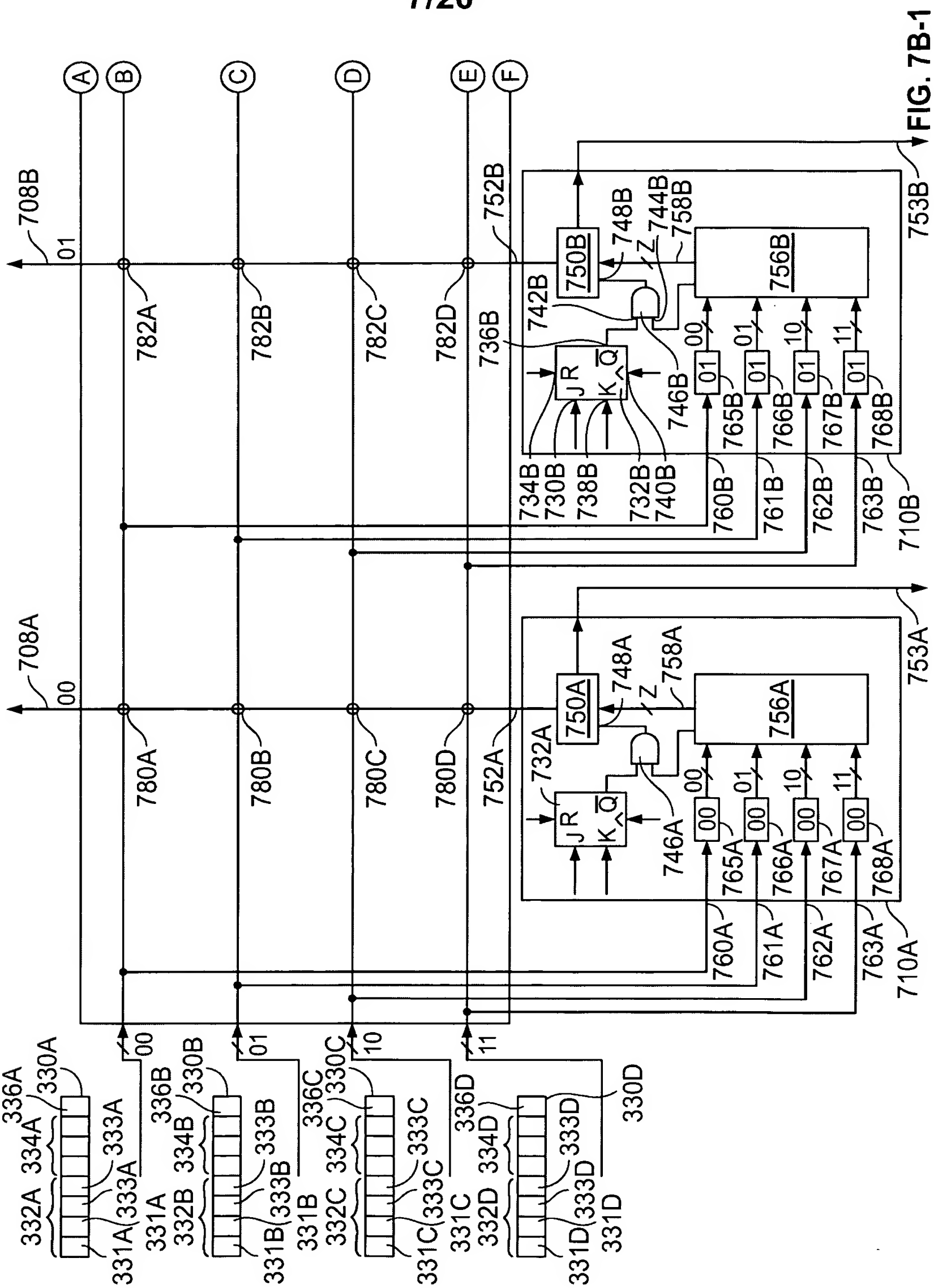

FIG. 7B-1

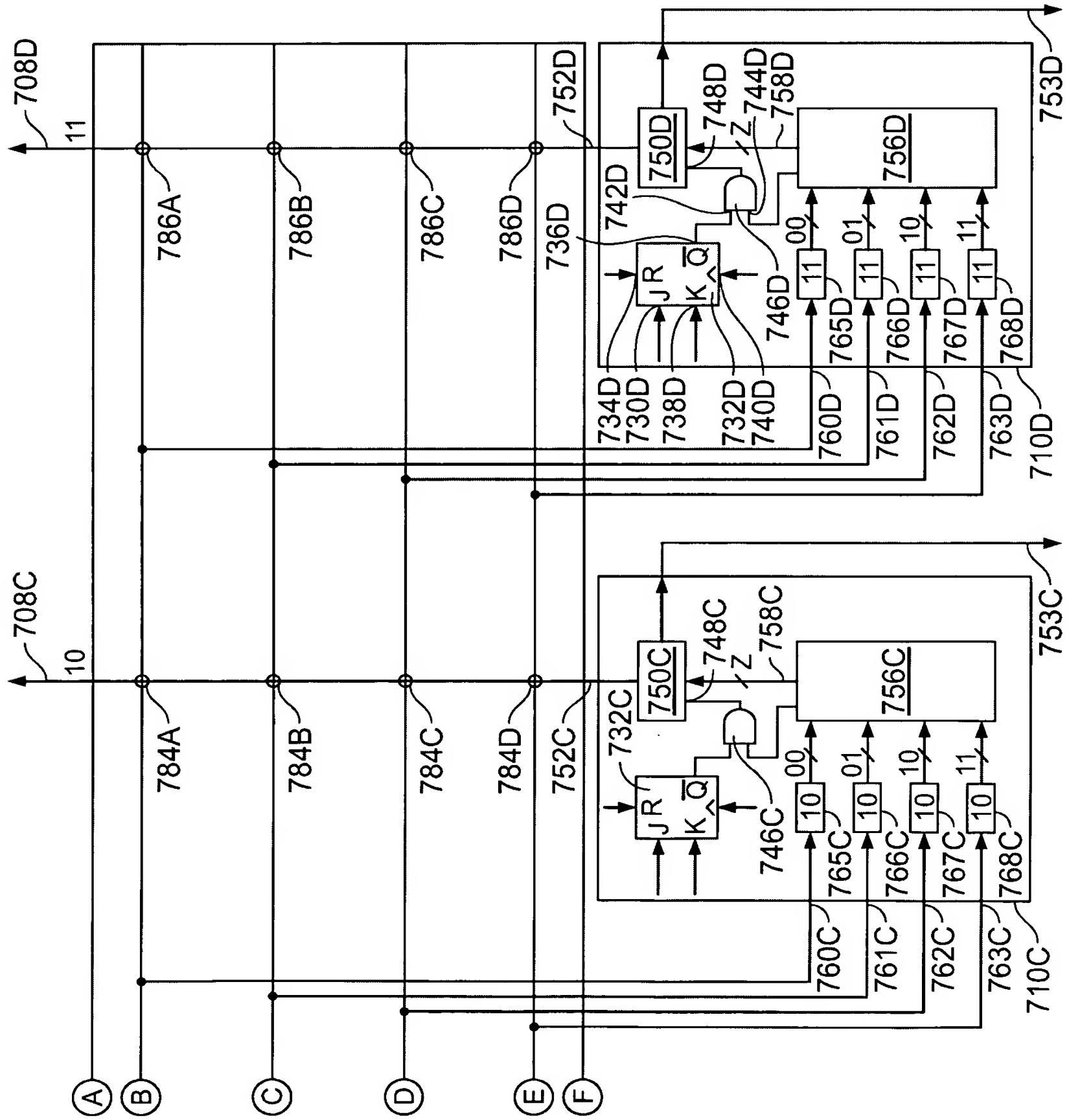

FIG. 7B-2

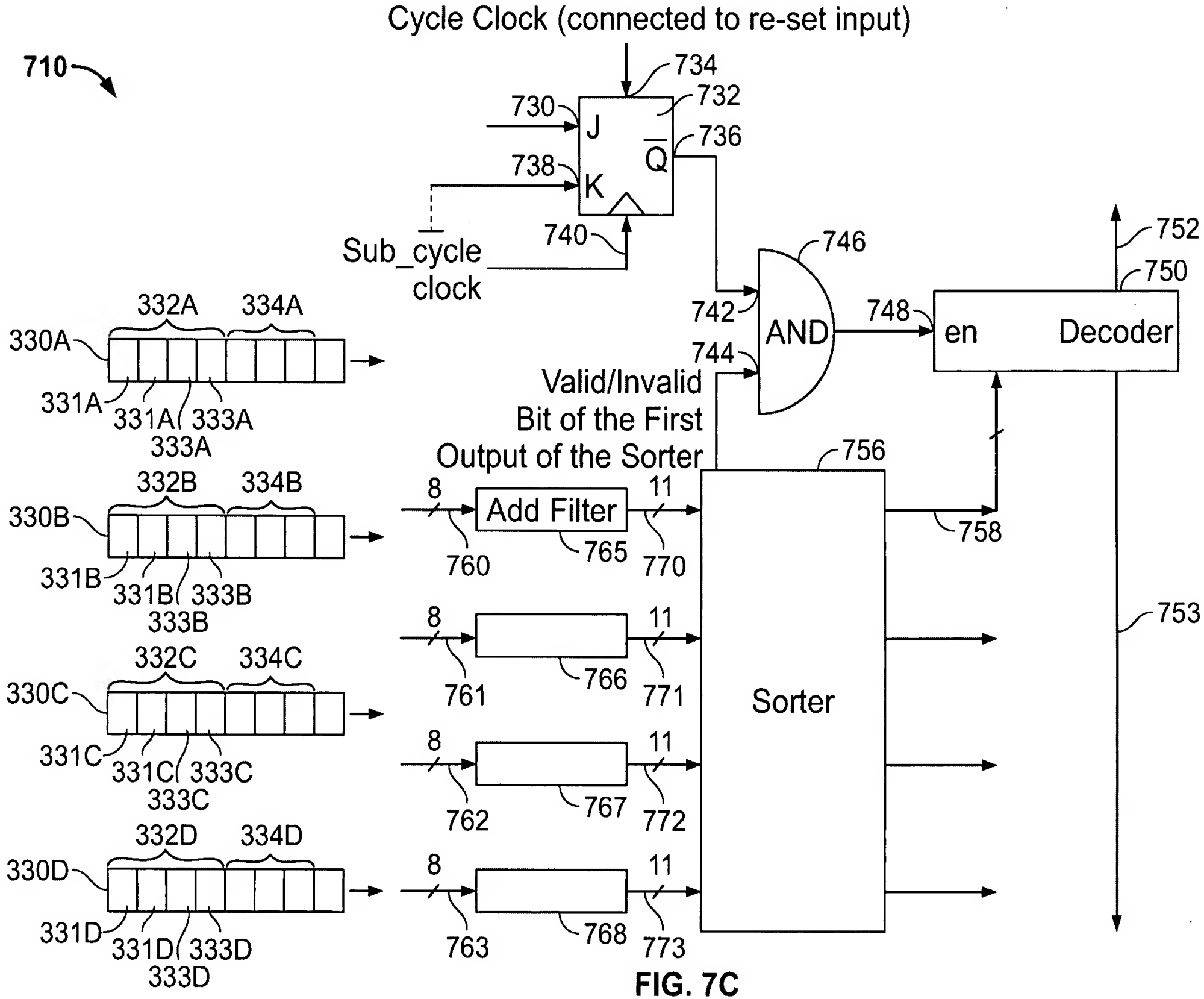

FIG. 7C

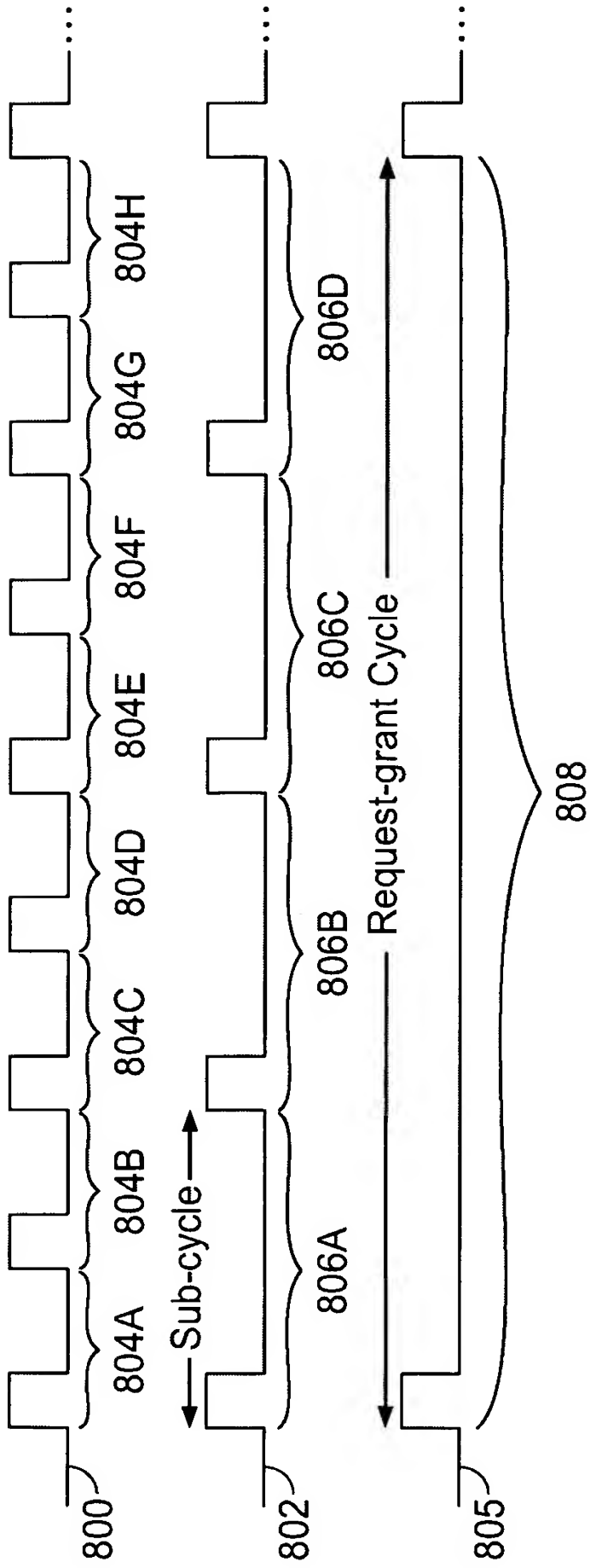

FIG. 8

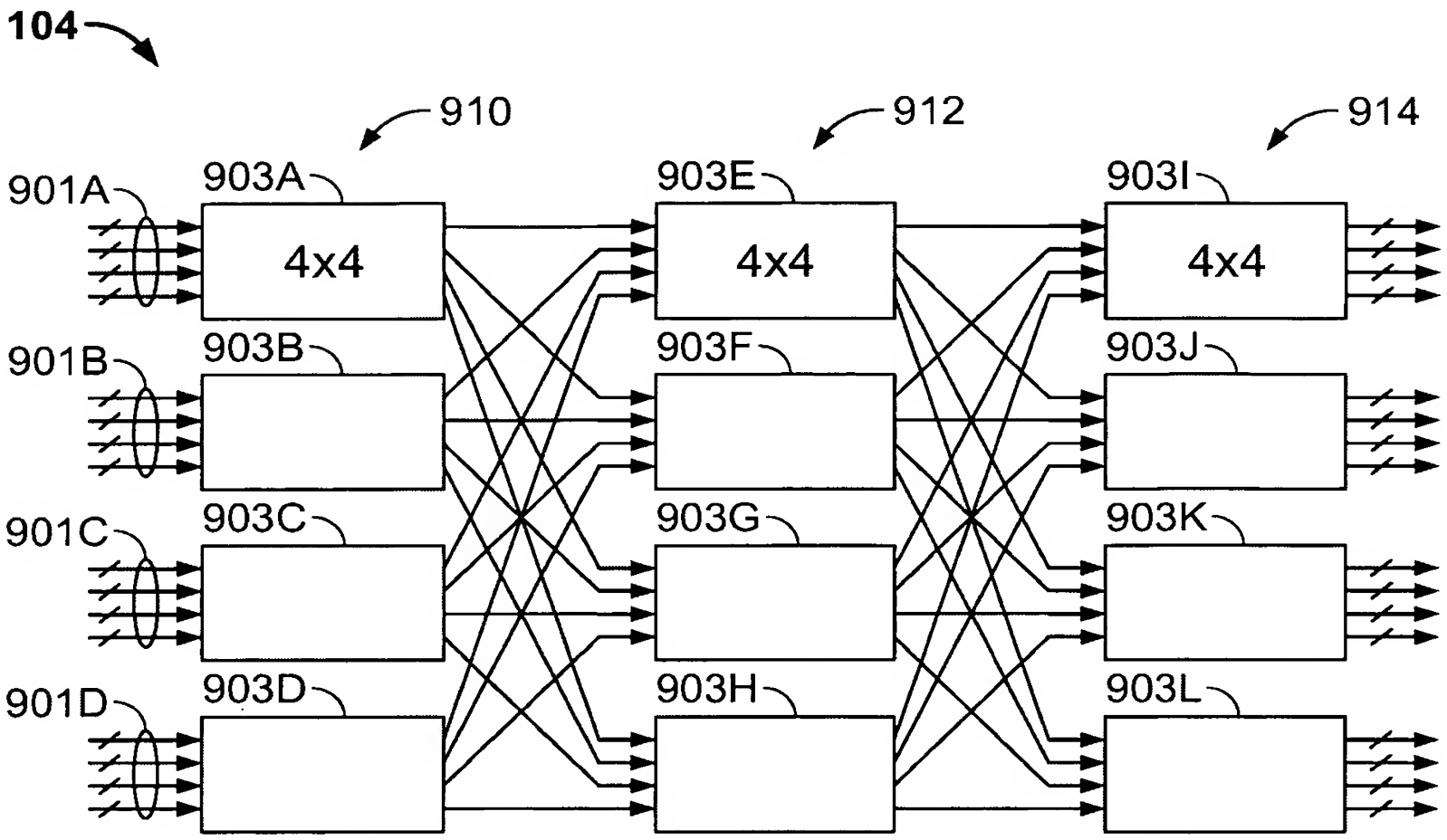

FIG. 9A

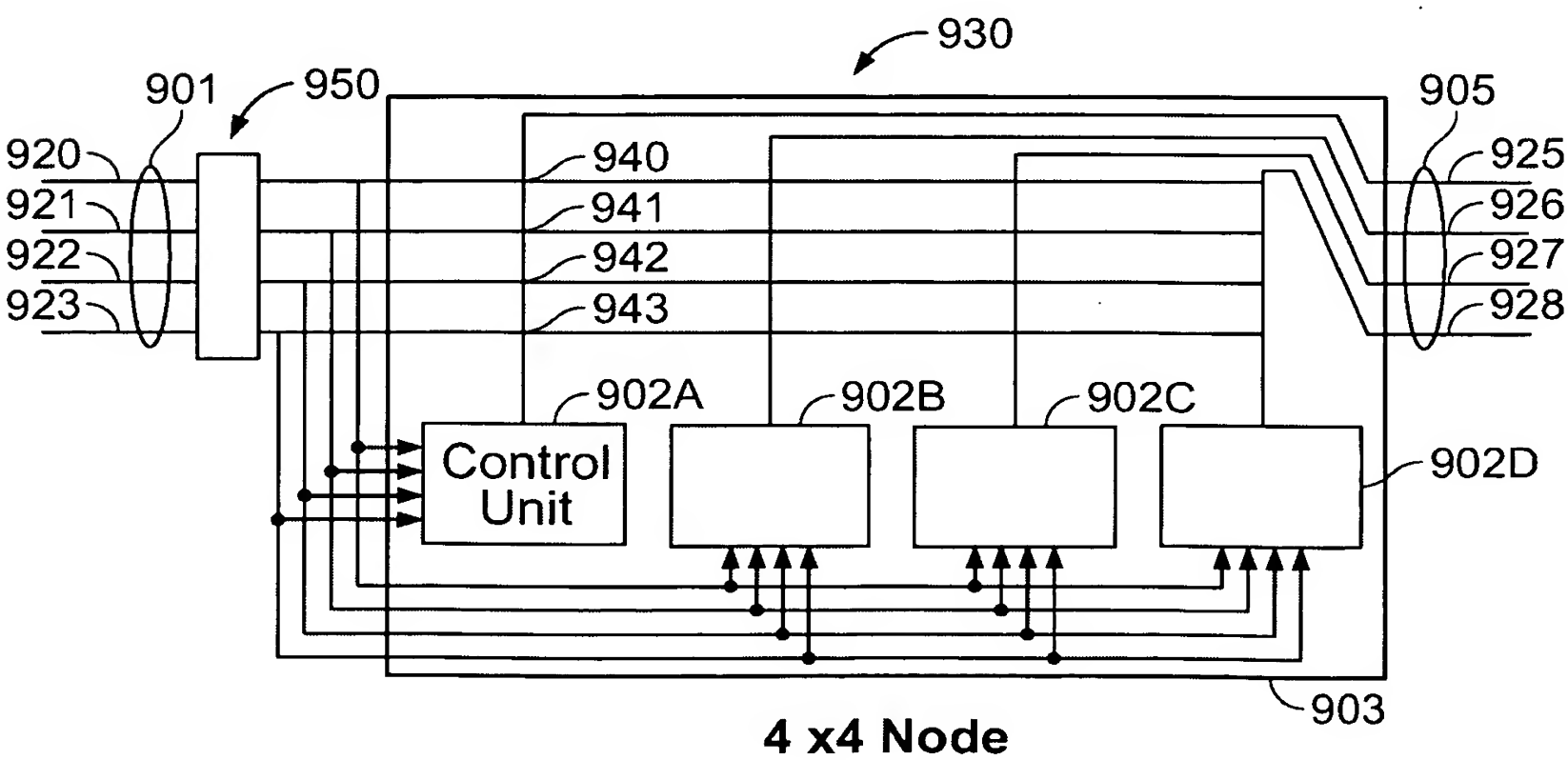

FIG. 9B

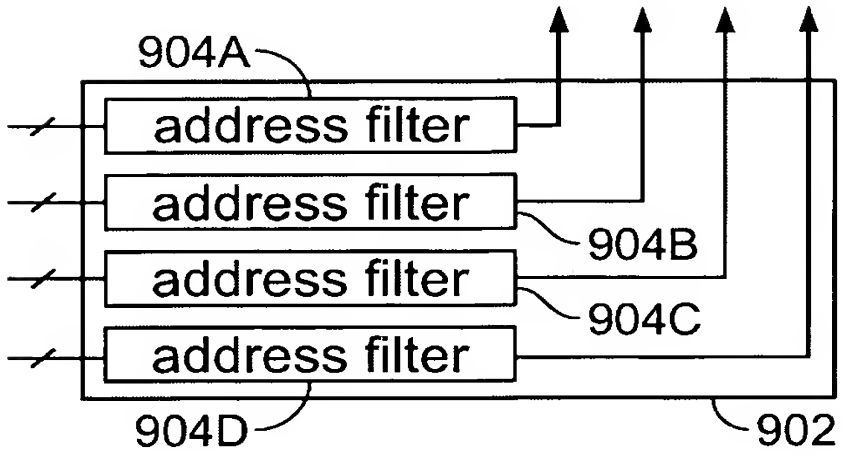

FIG. 9C

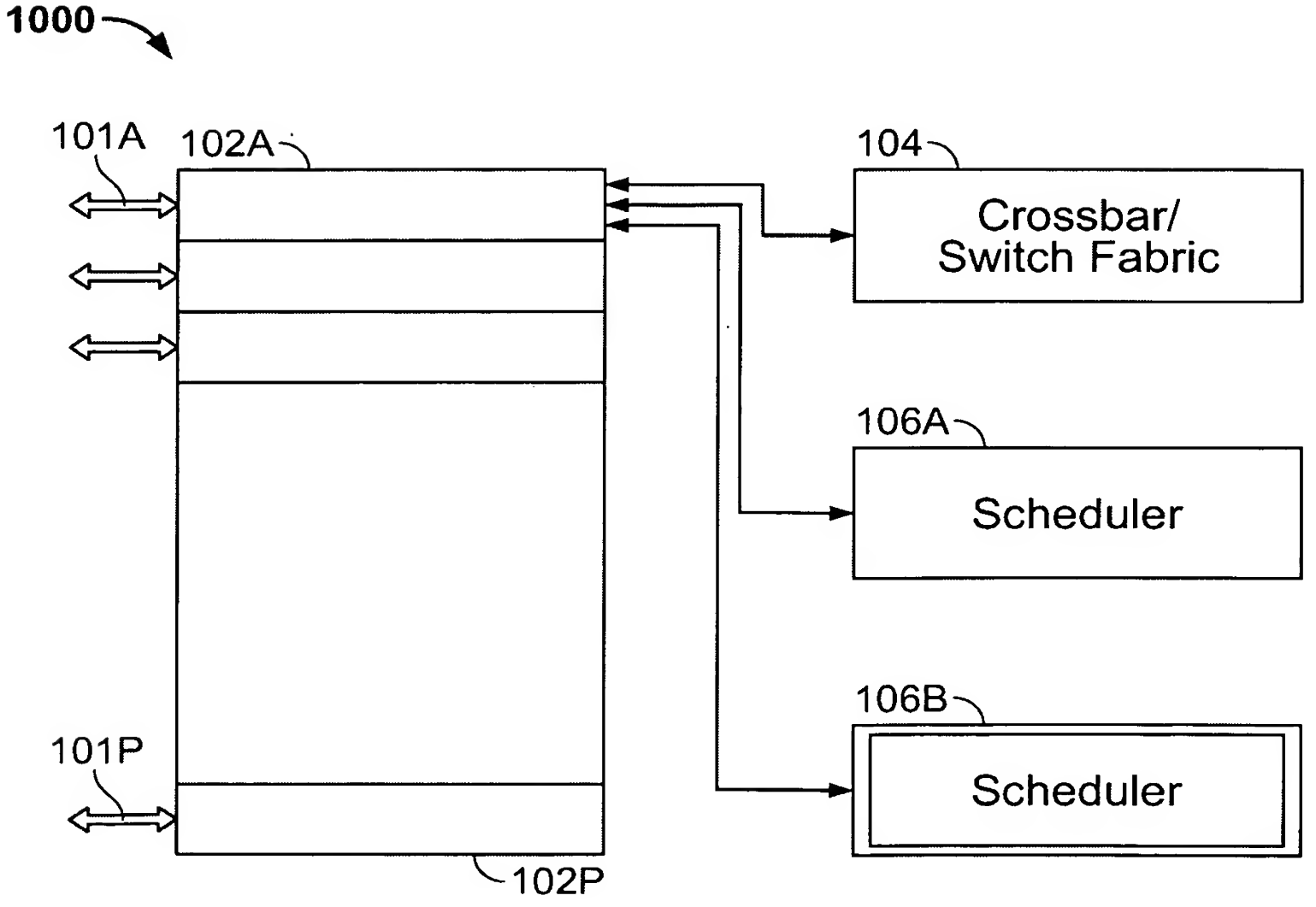

FIG. 10

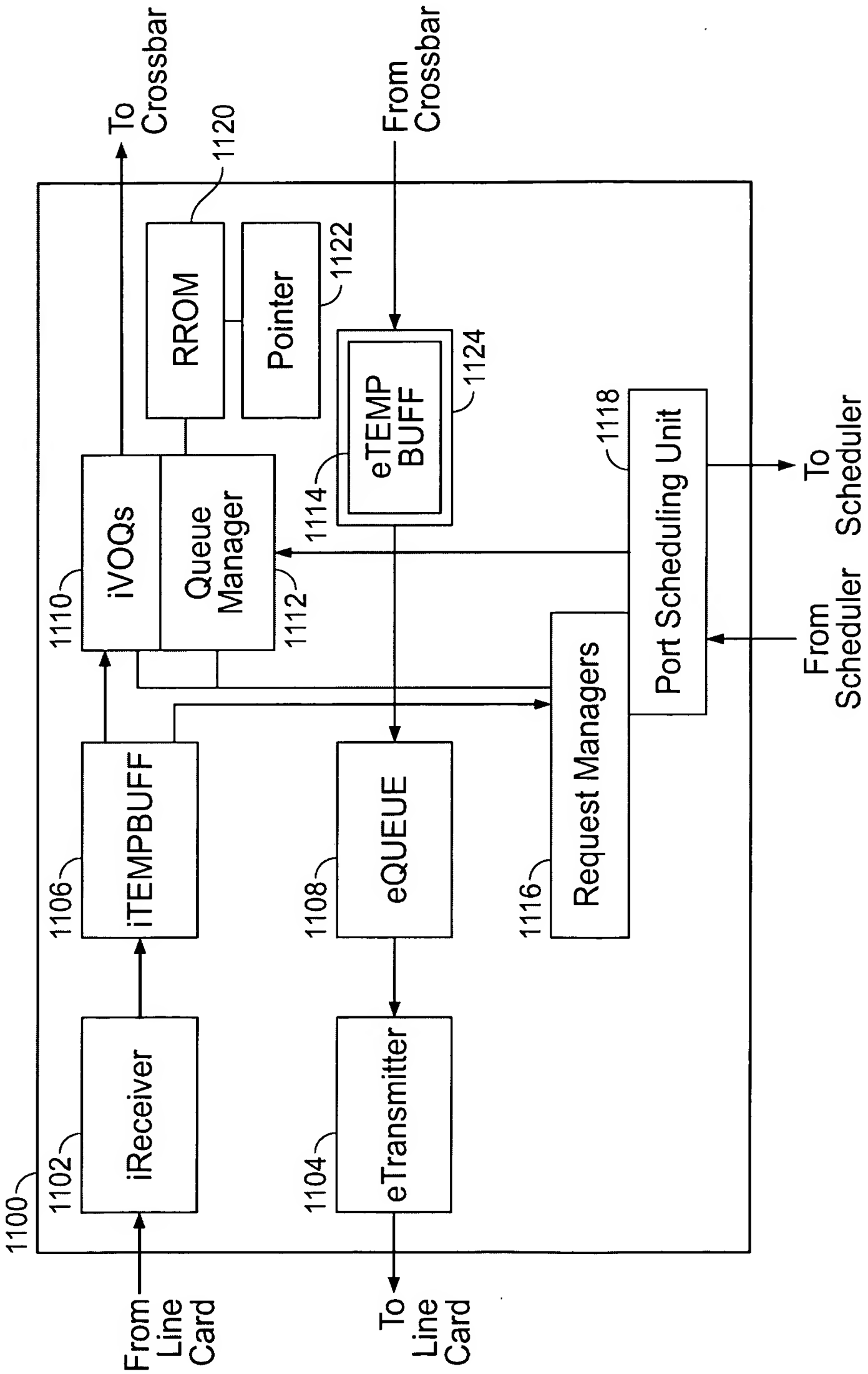

FIG. 11A

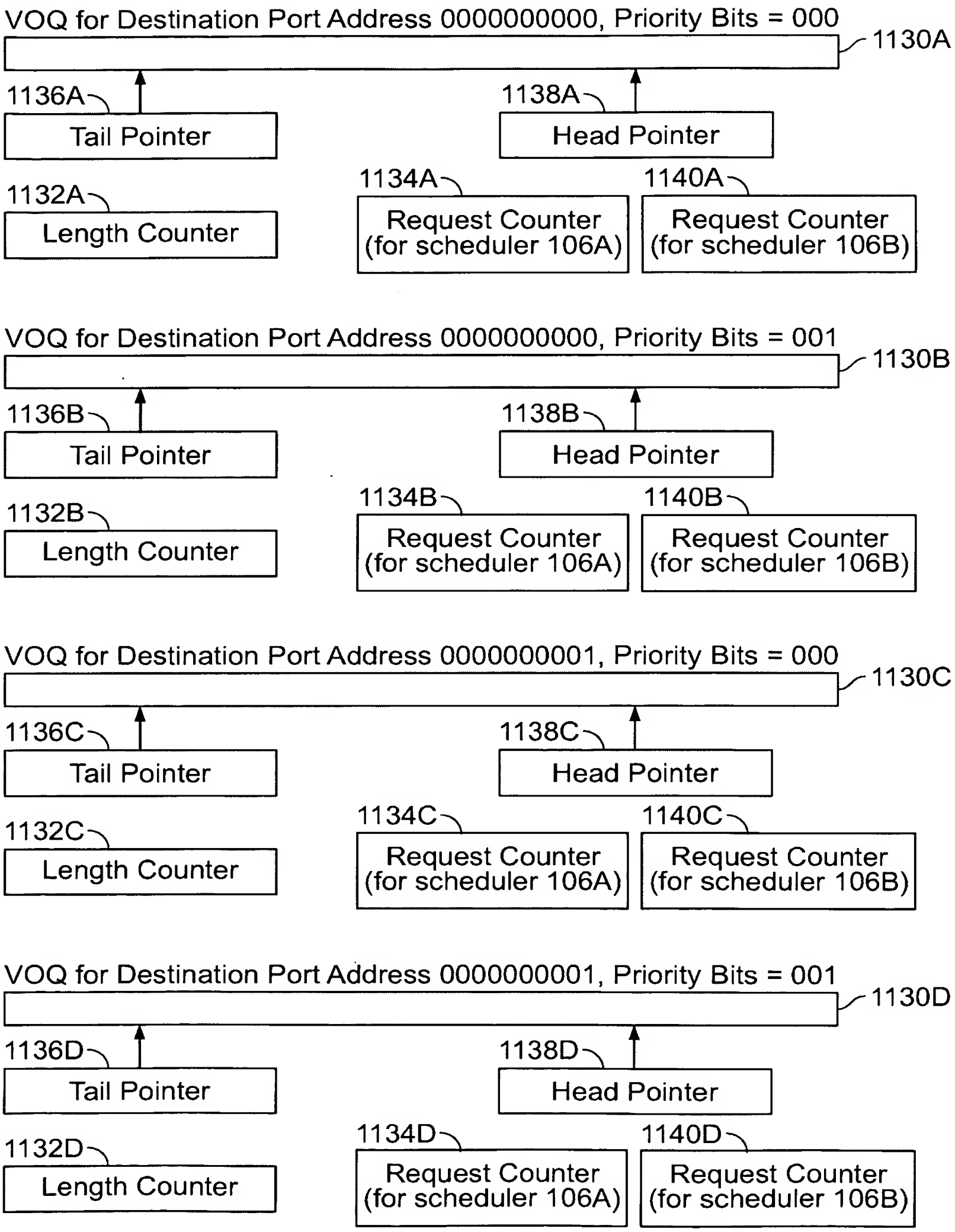

FIG. 11B

15/20

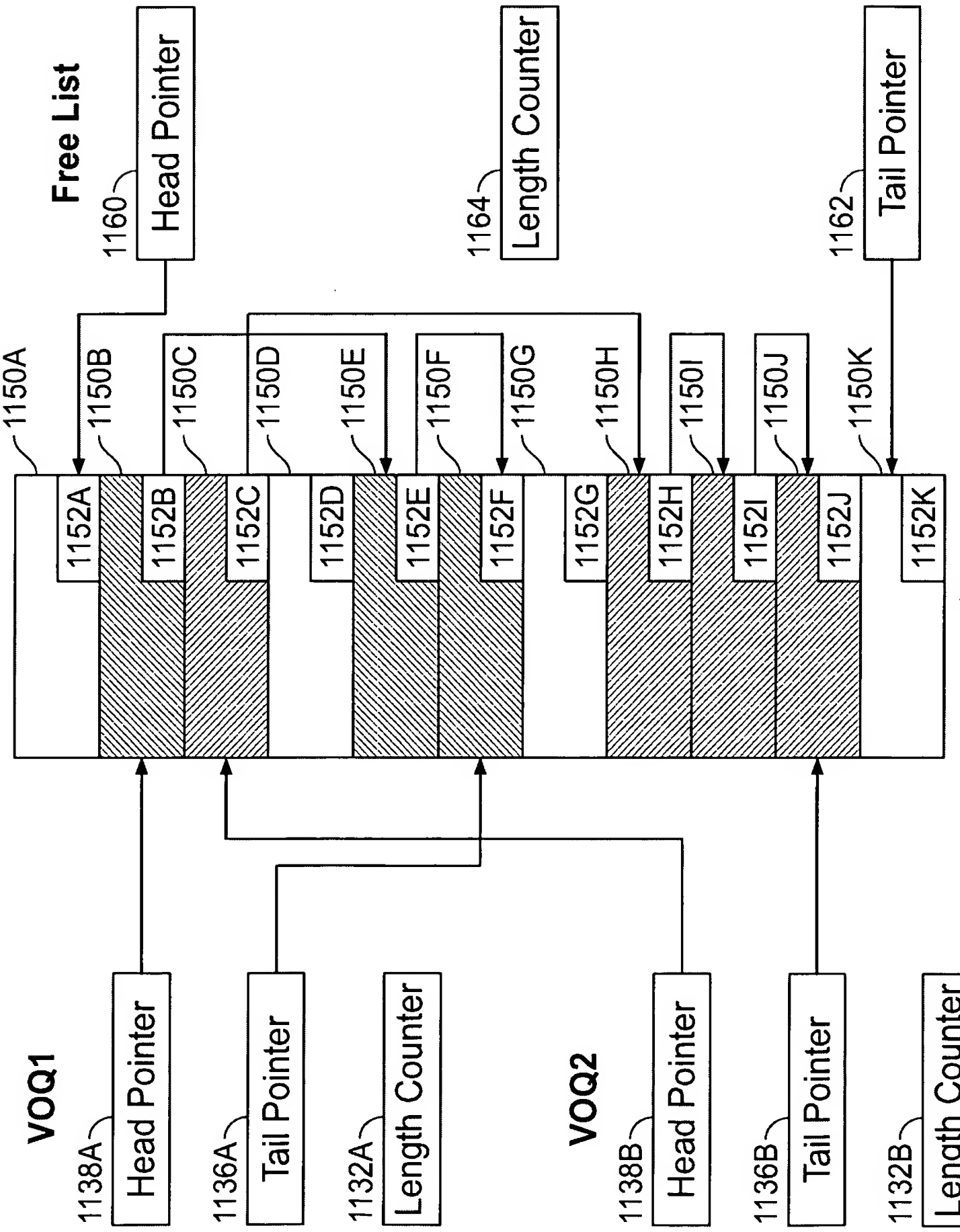

FIG. 11C

16/20

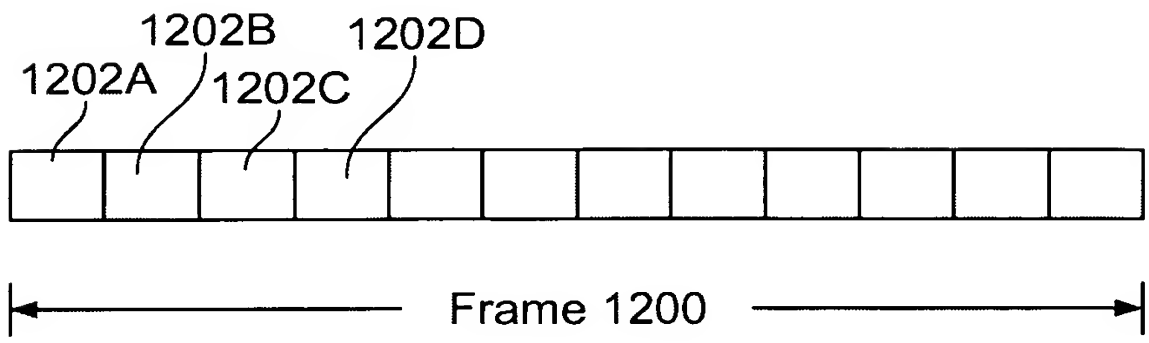

FIG. 12

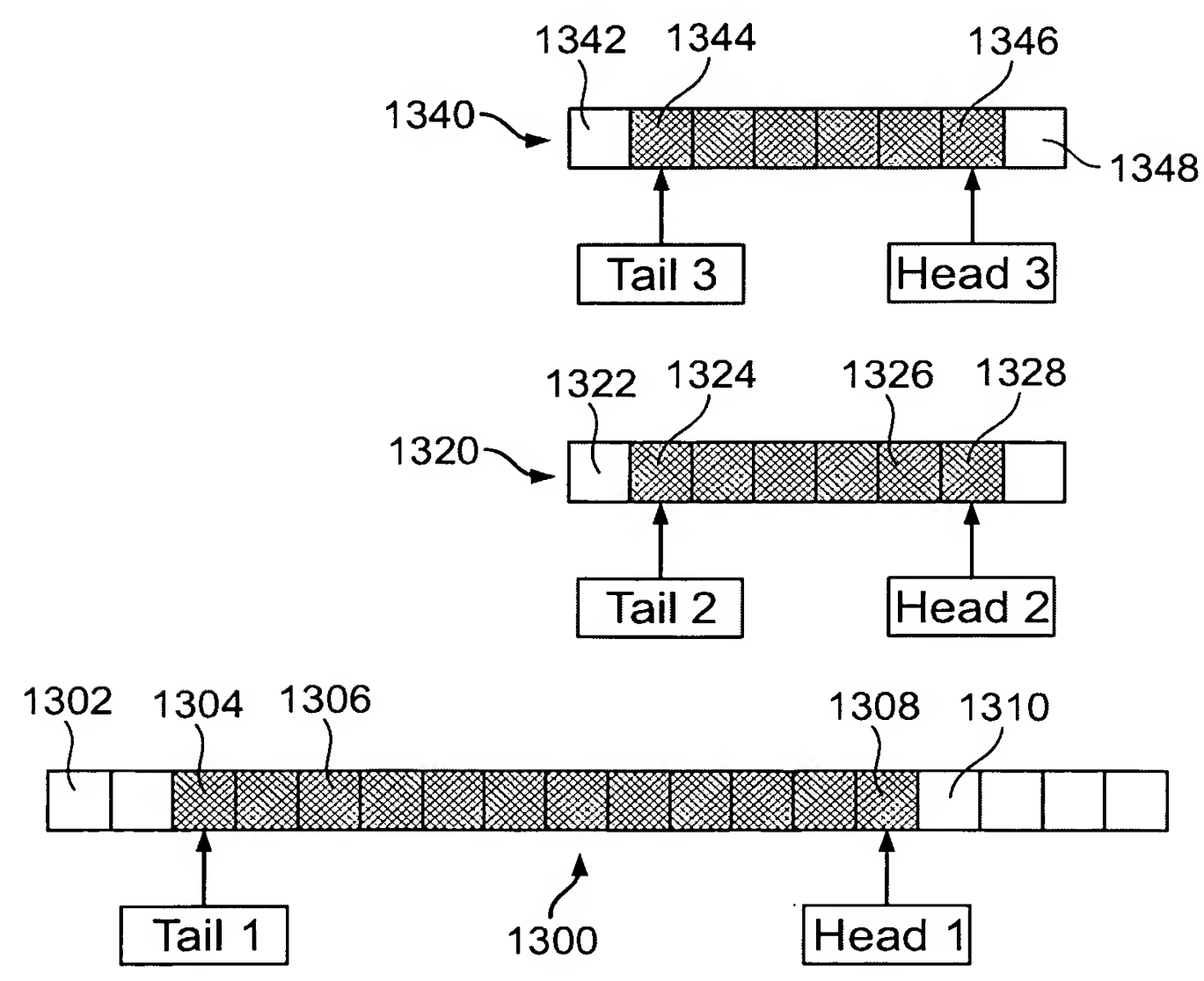

FIG. 13

17/20

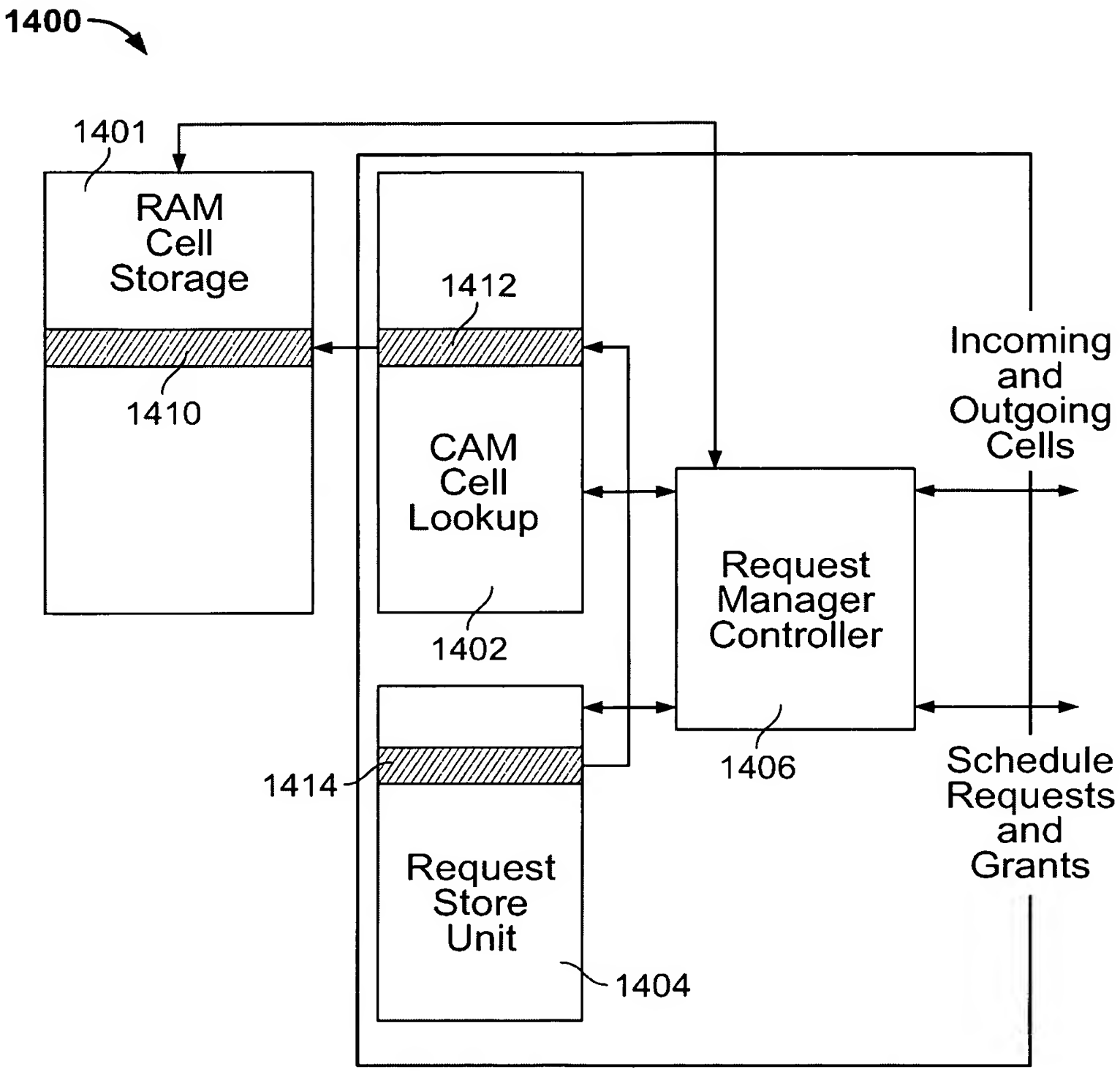

FIG. 14

Cell Lookup CAM Entry Format

Bit[0]	Valid
Bits[10:1]	Pointer
Bits[13:11]	Priority
Bits[24:14]	Destination Address

FIG. 15

Unicast Request Store Entry Format

Bit[0]	Valid
Bits[7:1]	Priority
Bits[19:8]	Destination Address0
Bits[23:20]	Request Count
Bits[33:24]	Head Pointer
Bits[43:34]	Tail Pointer
Bit[44]	Queue Over Limit
Bit[45]	Flow Control

FIG. 16A

Bit[0]	Valid
Bits[3:1]	Priority
Bits[15:4]	Destination Address0
Bits[19:16]	Request Count
Bits[29:20]	Head Pointer
Bits[39:30]	Tail Pointer
Bit[40]	Flow Control

FIG. 16B

19/20

Multicast Request Store Entry Format

Bit[0]	Valid
Bits[3:1]	Priority
Bits[7:4]	Cell Requested
Bits[11:8]	Cell Sent
Bits[15:12]	Flow Control
Bits[25:16]	Cell Address
Bits[37: 26]	Destination Address0
Bits[49: 38]	Destination Address1
Bits[61: 50]	Destination Address2
Bits[73: 62]	Destination Address3

FIG. 17

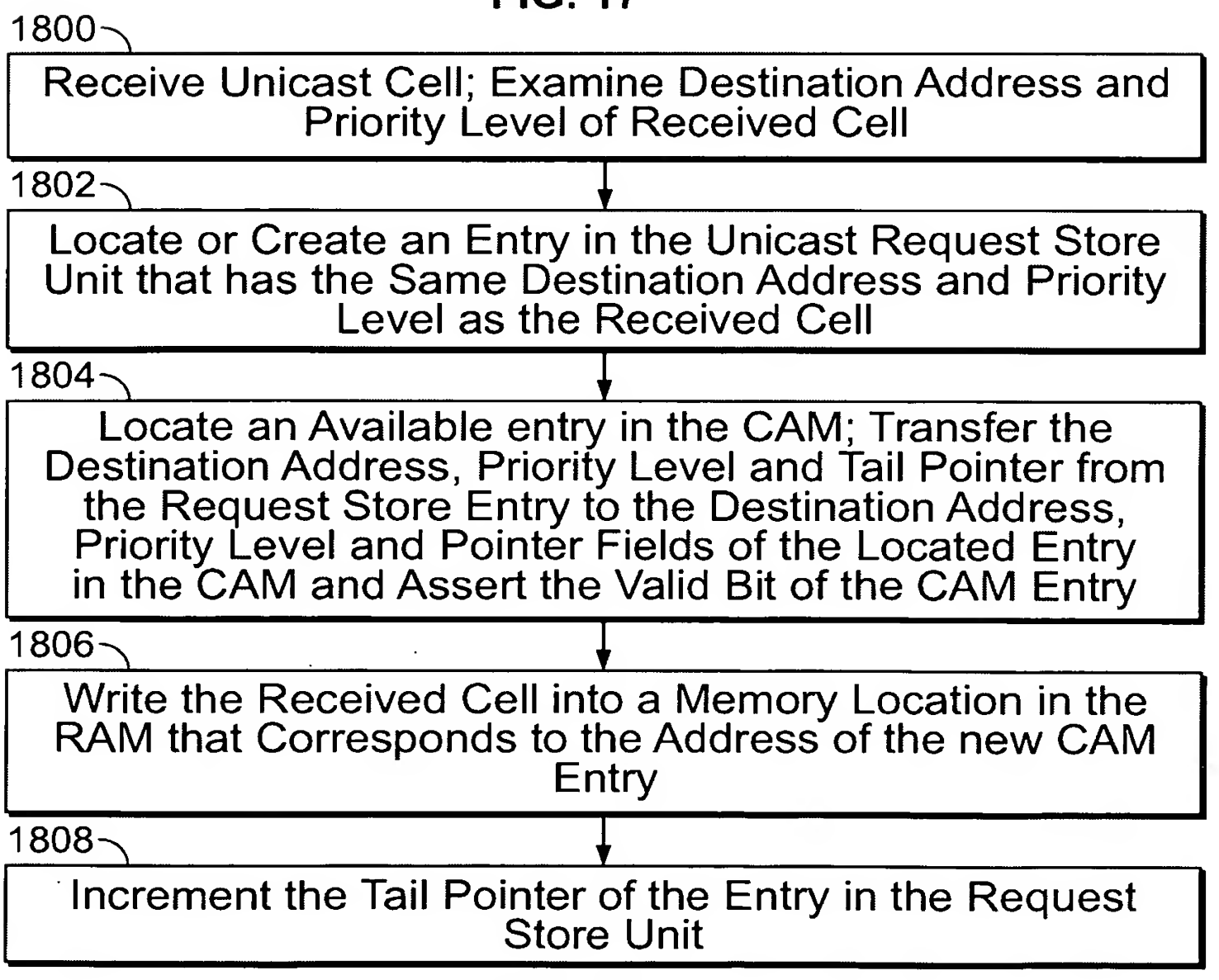

FIG. 18

20/20

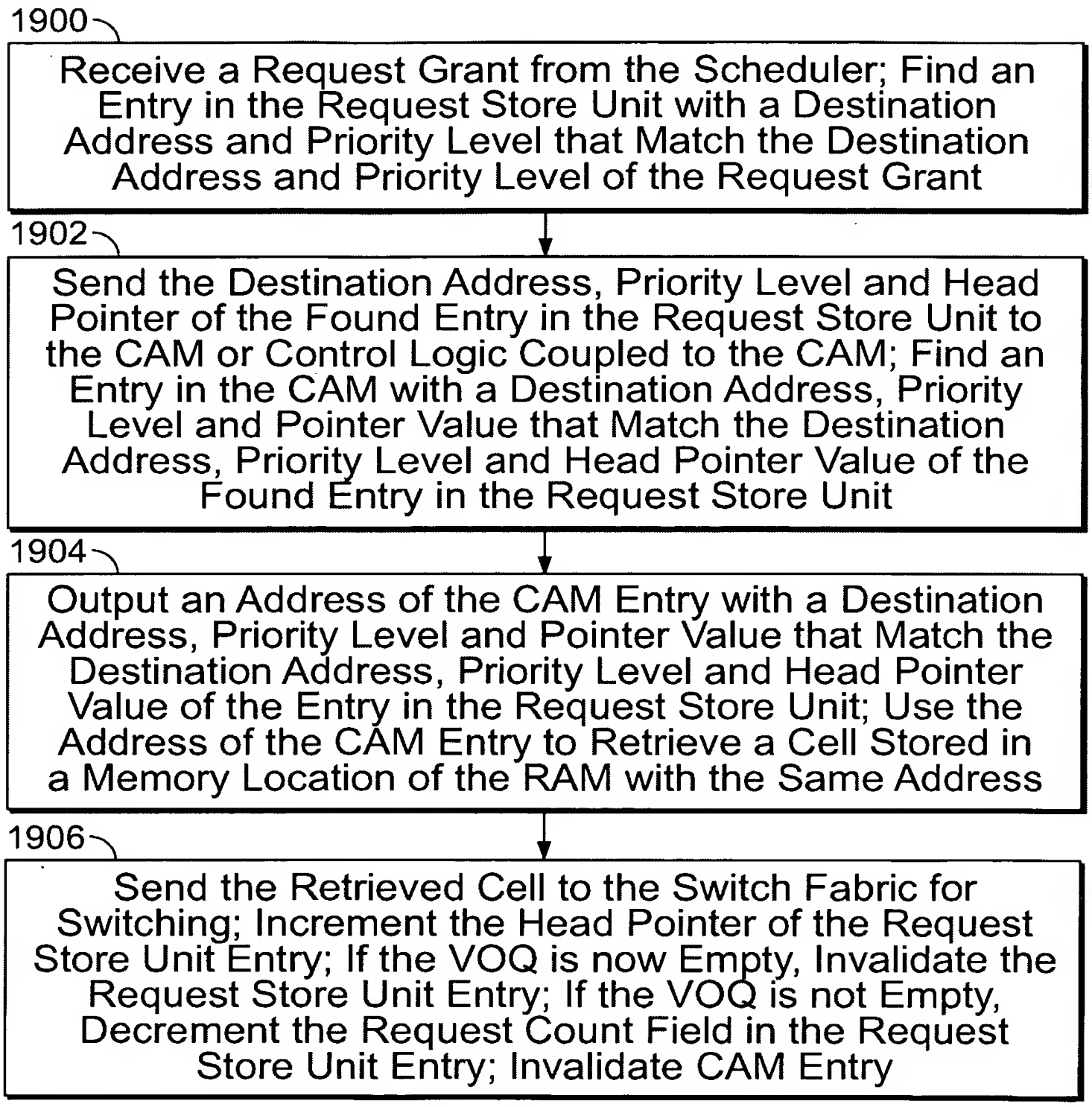

FIG. 19